

**Table 4. DOE Technical Standards Requiring Central Technical Authority (CTA) Concurrence  
Prior to Any Revisions or Cancellation**

|   | <b>DOE Technical Standards as of<br/>September 2016<sup>1</sup><br/>(Corresponding archived Technical<br/>Standards as listed in 2007 DOE O 410.1)</b> | <b>Title</b>  | <b>Office of Primary<br/>Interest</b>                            | <b>Responsible EM-<br/>CNS Staff</b>               |
|---|--|---|--|--|
| 1 | <b>DOE-STD-1020-2012</b><br>(DOE-STD-1020-2002, DOE-STD-1021-93,<br>DOE-STD-1022-94, DOE-STD-1023-95)  | <b><i>Natural Phenomena Hazards Design and<br/>Evaluation Criteria for DOE Facilities</i></b>   | Office of<br>Environment,<br>Health, Safety and<br>Security (AU) | Steve McDuffie                                     |
| 2 | <b>DOE-STD-1027-92, Change Notice<br/>1</b><br>(DOE-STD-1027-92, Change Notice 1)  | <b><i>Hazard Categorization and Accident<br/>Analysis Techniques for Compliance with<br/>DOE O 5480.23, Nuclear Safety Analysis<br/>Reports</i></b> | AU   | Steve McDuffie,<br>Bill Weaver,<br>Caroline Garzon |
| 3 | <b>DOE-STD-1030-96</b><br>(DOE-STD-1030-96)  | <b><i>Guide to Good Practices for Lockouts and<br/>Tagouts</i></b>  | AU   | Steve McDuffie                                     |
| 4 | <b>DOE-STD-1063-2011, Change<br/>Notice 1</b><br>(DOE-STD-1063-2006)   | <b><i>Facility Representatives</i></b>  | AU   | Steve McDuffie                                     |
| 5 | <b>DOE-STD-1066-2012</b><br>(DOE-STD-1066-99, DOE-STD-1088-95)   | <b><i>Fire Protection</i></b>   | AU   | Caroline Garzon                                    |
| 6 | <b>DOE-STD-1073-2003</b><br>(DOE-STD-1073-2003)  | <b><i>Configuration Management Program</i></b>  | AU   | Steve McDuffie                                     |

<sup>1</sup> As currently listed (September 2016) in DOE Technical Standards Website, <http://energy.gov/ehss/services/nuclear-safety/department-energy-technical-standards-program>

|    | DOE Technical Standards as of<br>September 2016 <sup>1</sup><br>(Corresponding archived Technical<br>Standards as listed in 2007 DOE O 410.1) | Title  | Office of Primary<br>Interest                 | Responsible EM-<br>CNS Staff    |
|----|---|--|---|---------------------------------|
| 7  | <b>DOE-STD-1083-2009</b><br>(DOE-STD-1083-95)   | <b><i>Processing Exemptions to Nuclear Safety<br/>Rules and Approval of Alternative Methods<br/>for Documented Safety Analyses</i></b>   | AU  | Bud Danielson                   |
| 8  | <b>DOE-STD-1090-2011</b><br>(DOE-STD-1090-2004)   | <b><i>Hoisting and Rigging</i></b>   | AU  | Bill Weaver                     |
| 9  | <b>DOE-STD-1104-2014</b><br>(DOE-STD-1104-96)   | <b><i>Review and Approval of Nuclear Facility<br/>Safety Basis and Safety Design Basis<br/>Document</i></b>  | AU  | Caroline Garzon                 |
| 10 | <b>DOE-STD-1120-2016</b><br>(DOE-STD-1120-2005)   | <b><i>Preparation of Documented Safety<br/>Analysis for Decommissioning and<br/>Environmental Restoration Activities</i></b><br>Old title was <i>Integration of Environment,<br/>Safety, and Health into Facility Disposition<br/>Activities, Volumes 1 and 2.</i> | AU  | Bill Weaver,<br>Caroline Garzon |
| 11 | <b>DOE-STD-1129-2015</b><br>(DOE-HDBK-1129-2007)  | <b><i>Tritium Handling and Safe Storage</i></b>  | Office of<br>Environmental<br>Management (EM) | Bill Weaver                     |
| 12 | <b>DOE-STD-1137-2014</b><br>(DOE-STD-1137-2000)   | <b><i>Fire Protection Engineering Functional<br/>Area Qualification Standard</i></b>   | Office of Enterprise<br>Assessments (EA)      | Bill Weaver                     |
| 13 | <b>DOE-STD-1150-2013</b><br>(DOE-STD-1150-2002)   | <b><i>Quality Assurance Functional Area<br/>Qualification Standard</i></b>   | EA  | Bud Danielson                   |
| 14 | <b>DOE-STD-1158-2010</b>  | <b><i>Self-Assessment Standard for DOE<br/>Contractor Criticality Safety Programs</i></b>  | NA  | Amanda<br>Anderson              |

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|----|---|---|-------------------------------|------------------------------|
|    | (DOE-STD-1158-2002)   |   |                               |                              |
| 15 | <b>DOE-STD-1159-2003</b><br>(DOE-STD-1159-2003)   | <b><i>Waste Management Functional Area<br/>Qualification Standard</i></b>   | EA                            | Caroline Garzon              |
| 16 | <b>DOE-STD-1166-2003</b><br>(DOE-STD-1166-2003)   | <b><i>Deactivation and Decommission Functional<br/>Area Qualification Standard</i></b>  | EA                            | Bill Weaver                  |
| 17 | <b>DOE-STD-1172-2011</b><br>(DOE-STD-1172-2003)   | <b><i>Safety Software Quality Assurance<br/>Functional Area Qualification Standard</i></b>  | EA                            | Bud Danielson                |
| 18 | <b>DOE-STD-1173-2009</b><br>(DOE-STD-1173-2003)   | <b><i>Criticality Safety Functional Area<br/>Qualification Standard</i></b>   | EA                            | Amanda<br>Anderson           |
| 19 | <b>DOE-STD-1175-2013</b><br>(DOE-STD-1175-2006)   | <b><i>Senior Technical Safety Manager<br/>Functional Area Qualification Standard</i></b>  | EA                            | Bill Weaver                  |
| 20 | <b>DOE-STD-1183-2007</b><br>(DOE-STD-1183-2004)   | <b><i>Nuclear Safety Specialist Functional Area<br/>Qualification Standard</i></b>  | EA                            | Bill Weaver                  |
| 21 | <b>DOE-STD-1186-2004</b><br>(DOE-STD-1186-2004)   | <b><i>Specific Administrative Controls</i></b>  | AU                            | Steve McDuffie               |
| 22 | <b>DOE-STD-3006-2010</b><br>(DOE-STD-3006-2000)   | <b><i>Planning and Conduct of Operational<br/>Readiness Reviews</i></b>   | AU                            | Bill Weaver                  |
| 23 | <b>DOE-STD-3007-2007</b><br>(DOE-STD-3007-2007)   | <b><i>Guidelines for Preparing Criticality Safety<br/>Evaluations at Department of Energy Non-<br/>Reactor Nuclear Facilities</i></b> | AU                            | Amanda<br>Anderson           |

|    | DOE Technical Standards as of<br>September 2016 <sup>1</sup><br>(Corresponding archived Technical<br>Standards as listed in 2007 DOE O 410.1) | Title  | Office of Primary<br>Interest | Responsible EM-<br>CNS Staff           |
|----|---|--|-------------------------------|--|
| 24 | <b>DOE-STD-3009-2014</b><br>(DOE-STD-3009-94)   | <i>Preparation Nonreactor Nuclear Facility<br/>Documented Safety Analysis</i>                              | AU                            | Amanda<br>Anderson                     |
| 25 | <b>DOE-HDBK-3010-94</b><br>(DOE-HDBK-3010-94)   | <i>Airborne Release Fractions/Rates and<br/>Respirable Fractions<br/>for Nonreactor Nuclear Facilities</i> | AU                            | Caroline Garzon,<br>Amanda<br>Anderson |
| 26 | <b>DOE-STD-3011-2016</b><br>(DOE-STD-3011-2002)   | <i>Preparation of Documented Safety<br/>Analysis for Interim Operations at DOE<br/>Nuclear Facilities</i>  | AU                            | Steve McDuffie,<br>Caroline Garzon     |
| 27 | <b>DOE-HDBK-3012-2015</b><br>(DOE-HDBK-3012-2003)   | <i>Team Leader's Good Practices For<br/>Readiness Reviews</i>  | AU                            | Bill Weaver                            |
| 28 | <b>DOE-STD-3013-2012</b><br>(DOE-STD-3013-2004)   | <i>Stabilization, Packaging, and Storage of<br/>Plutonium-Bearing Materials</i>                            | EM                            | Bill Weaver                            |
| 29 | <b>DOE-STD-3014-2006</b><br>(DOE-STD-3014-96)   | <i>Accident Analysis for Aircraft Crash into<br/>Hazardous Facilities</i>                                  | AU                            | Caroline Garzon                        |
| 30 | <b>DOE-NA-STD-3016-2016</b><br>(DOE-STD-3016-2006)  | <i>Hazard Analysis Reports for Nuclear<br/>Explosive Operations</i>  | NA                            | Responsibility of<br>CDNS Staff        |
| 31 | <b>DOE-STD-3020-2015</b><br>(DOE-STD-3020-2005)   | <i>Specification for HEPA Filters Used by DOE<br/>Contractors</i>  | AU                            | Bud Danielson                          |
| 32 | <b>DOE-STD-3024-2011</b>  | <i>Content of System Design Descriptions</i>   | AU                            | Bill Weaver                            |

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|-----------------------------|---|--|-------------------------------|------------------------------|
|                             | (DOE-STD-3024-98)   |  |                               |                              |
| 33                          | <b>DOE STD-3025-2007</b><br>(DOE STD-3025-2007)   | <b><i>Quality Assurance Inspection and Testing<br/>of HEPA Filters</i></b>             | AU                            | Bud Danielson                |
| <b>Cancelled Since 2007</b> |   |  |                               |                              |
|                             | DOE-HBK-1099-96   | <i>Establishing Nuclear Facility Drill Programs</i>                                    | AU                            |                              |
|                             | DOE-STD-1134-99   | <i>Review Guide for Criticality Safety<br/>Evaluations</i>                             | NA                            |                              |
|                             | DOE-STD-1135-99   | <i>Guidance for Nuclear Criticality Safety<br/>Engineer Training and Qualification</i> | NA                            |                              |
|                             | DOE-HBK-1148-2002   | <i>Work Smart Standards (WSS) Users<br/>Handbook</i>                                   | AU                            |                              |
|                             | DOE-STD-3015-2004   | <i>Nuclear Explosive Safety Study Process</i>  | NA                            |                              |